SEQUENCE LISTING

<110> Quigley, James P.
Hooper, John D.
Testa, Jacqueline E.
The Scripps Research Institute

<120> Methods for Diagnosing Cancer and Decreasing Metastasis by Cancer Cells

<130> 1361.036US1

<140> 10/781,564
<141> 2004-02-18

<150> US 60/448,828
<151> 2003-02-19

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Ala Leu Pro Arg Glu Ser Asn Ile Thr Val Leu Ile Lys Leu Gly Thr
        35                  40                  45
Pro Thr Leu Leu Ala Lys Pro Cys Tyr Ile Val Ile Ser Lys Arg His
    50                  55                  60
Ile Thr Met Leu Ser Ile Lys Ser Gly Glu Arg Ile Val Phe Thr Phe
65                  70                  75                  80
Ser Cys Gln Ser Pro Glu Asn His Phe Val Ile Glu Ile Gln Lys Asn
                85                  90                  95
Ile Asp Cys Met Ser Gly Pro Cys Pro Phe Gly Glu Val Gln Leu Gln
            100                 105                 110
Pro Ser Thr Ser Leu Leu Pro Thr Leu Asn Arg Thr Phe Ile Trp Asp
        115                 120                 125
Val Lys Ala His Lys Ser Ile Gly Leu Glu Leu Gln Phe Ser Ile Pro
    130                 135                 140
Arg Leu Arg Gln Ile Gly Pro Gly Glu Ser Cys Pro Asp Gly Val Thr
145                 150                 155                 160
His Ser Ile Ser Gly Arg Ile Asp Ala Thr Val Val Arg Ile Gly Thr
                165                 170                 175
Phe Cys Ser Asn Gly Thr Val Ser Arg Ile Lys Met Gln Glu Gly Val
            180                 185                 190
Lys Met Ala Leu His Leu Pro Trp Phe His Pro Arg Asn Val Ser Gly
        195                 200                 205
Phe Ser Ile Ala Asn Arg Ser Ser Ile Lys Arg Leu Cys Ile Ile Glu
    210                 215                 220
Ser Val Phe Glu Gly Glu Gly Ser Ala Thr Leu Met Ser Ala Asn Tyr
225                 230                 235                 240
Pro Glu Gly Phe Pro Glu Asp Glu Leu Met Thr Trp Gln Phe Val Val
                245                 250                 255
Pro Ala His Leu Arg Ala Ser Val Ser Phe Leu Asn Phe Asn Leu Ser
            260                 265                 270
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Asn Cys Glu Arg Lys Glu Glu Arg Val Glu Tyr Tyr Ile Pro Gly Ser
275 280 285
Thr Thr Asn Pro Glu Val Phe Lys Leu Glu Asp Lys Gln Pro Gly Asn
290 295 300
Met Ala Gly Asn Phe Asn Leu Ser Leu Gln Gly Cys Asp Gln Asp Ala
305 310 315 320
Gln Ser Pro Gly Ile Leu Arg Leu Gln Phe Gln Val Leu Val Gln His
325 330 335
Pro Gln Asn Glu Ser Asn Lys Ile Tyr Val Val Asp Leu Ser Asn Glu
340 345 350
Arg Ala Met Ser Leu Thr Ile Glu Pro Arg Pro Val Lys Gln Ser Arg
355 360 365
Lys Phe Val Pro Gly Cys Phe Val Cys Leu Glu Ser Arg Thr Cys Ser
370 375 380
Ser Asn Leu Thr Leu Thr Ser Gly Ser Lys His Lys Ile Ser Phe Leu
385 390 395 400
Cys Asp Asp Leu Thr Arg Leu Trp Met Asn Val Glu Lys Thr Ile Ser
405 410 415
Cys Thr Asp His Arg Tyr Cys Gln Arg Lys Ser Tyr Ser Leu Gln Val
420 425 430
Pro Ser Asp Ile Leu His Leu Pro Val Glu Leu His Asp Phe Ser Trp
435 440 445
Lys Leu Leu Val Pro Lys Asp Arg Leu Ser Leu Val Leu Val Pro Ala
450 455 460
Gln Lys Leu Gln Gln His Thr His Glu Lys Pro Cys Asn Thr Ser Phe
465 470 475 480
Ser Tyr Leu Val Ala Ser Ala Ile Pro Ser Gln Asp Leu Tyr Phe Gly
485 490 495
Ser Phe Cys Pro Gly Gly Ser Ile Lys Gln Ile Gln Val Lys Gln Asn
500 505 510
Ile Ser Val Thr Leu Arg Thr Phe Ala Pro Ser Phe Gln Gln Glu Ala
515 520 525
Ser Arg Gln Gly Leu Thr Val Ser Phe Ile Pro Tyr Phe Lys Glu Glu
530 535 540
Gly Val Phe Thr Val Thr Pro Asp Thr Lys Ser Lys Val Tyr Leu Arg
545 550 555 560
Thr Pro Asn Trp Asp Arg Gly Leu Pro Ser Leu Thr Ser Val Ser Trp
565 570 575
Asn Ile Ser Val Pro Arg Asp Gln Val Ala Cys Leu Thr Phe Phe Lys
580 585 590
Glu Arg Ser Gly Val Val Cys Gln Thr Gly Arg Ala Phe Met Ile Ile
595 600 605
Gln Glu Gln Arg Thr Arg Ala Glu Glu Ile Phe Ser Leu Asp Glu Asp
610 615 620
Val Leu Pro Lys Pro Ser Phe His His His Ser Phe Trp Val Asn Ile
625 630 635 640
Ser Asn Cys Ser Pro Thr Ser Gly Lys Gln Leu Asp Leu Leu Phe Ser
645 650 655
Val Thr Leu Thr Pro Arg Thr Val Asp Leu Thr Val Ile Leu Ile Ala
660 665 670
Ala Val Gly Gly Gly Val Leu Leu Leu Ser Ala Leu Gly Leu Ile Ile
675 680 685
Cys Cys Val Lys Lys Lys Lys Lys Lys Thr Asn Lys Gly Pro Ala Val
690 695 700
Gly Ile Tyr Asn Asp Asn Ile Asn Thr Glu Met Pro Arg Gln Pro Lys
705 710 715 720
Lys Phe Gln Lys Gly Arg Lys Asp Asn Asp Ser His Val Tyr Ala Val
725 730 735
Ile Glu Asp Thr Met Val Tyr Gly His Leu Leu Gln Asp Ser Ser Gly
740 745 750
Ser Phe Leu Gln Pro Glu Val Asp Thr Tyr Arg Pro Phe Gln Gly Thr
755 760 765

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Met Gly Val Cys Pro Pro Ser Pro Pro Thr Ile Cys Ser Arg Ala Pro
    770                 775                 780
Thr Ala Lys Leu Ala Thr Glu Glu Pro Pro Pro Arg Ser Pro Pro Glu
785                 790                 795                 800
Ser Glu Ser Glu Pro Tyr Thr Phe Ser His Pro Asn Asn Gly Asp Val
                805                 810                 815
Ser Ser Lys Asp Thr Asp Ile Pro Leu Leu Asn Thr Gln Glu Pro Met
            820                 825                 830
Glu Pro Ala Glu
        835
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<210> 3
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<400> 3
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<221> SITE
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<223> Xaa = Glycine or Isoleucine

<220>
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<222> 17
<223> Xaa = any amino acid

<400> 4

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Xaa Gly Thr
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 1               5                  10                  15
Xaa Gly Thr
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<210> 7
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<400> 7
Val Glu Tyr Tyr Ile Pro Gly Ser Thr Thr Asn Pro Glu
 1   5   10

<210> 8
<211> 12
<212> PRT
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<220>
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<222> 1, 3
<223> Xaa = any amino acid

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Xaa Tyr Xaa Leu Gln Val Pro Ser Asp Ile Leu His
 1   5   10

<210> 9
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<212> PRT
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<400> 9
Ser Tyr Ser Leu Gln Val Pro Ser Asp Ile Leu His
 1   5   10

<210> 10
<211> 8
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<220>
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Asp Tyr Lys Asp Asp Asp Asp Lys
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